# Paxton

# Net2 APN-1205

Paxton

# SSL/TLS Certificate Update for existing integrations to v6.7 SR1 (or above)

Paxton are continually updating Net2 to maintain high levels of cyber security and as such, we have made changes to the certificate management process within the software.

Please note: this will only affect integrations using our RESTful API and not integrations using Paxton Net2's SDK. To access the local API via HTTPS an SSL certificate is required to create the secure connection.

Within our next release v6.7 SR1, all integrations will need to have their SSL certificates updated. The certificate manager tab has now been removed from the localhost8080 page and Paxton no longer automatically install an SSL certificate to the trusted root folder.

Please ensure your integration is using HTTPS only as HTTP will cease to operate on updating to v6.7 SR1.

### Installing a self-signed TLS certificate

For an integration to function and have a secure connection, when updating to Net2 v6.7 SR1 or above, you will need to install a self-signed TLS certificate. This should be installed on the server and client machine.

Before updating Net2 you will receive the below checklist.

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Tick all boxes and click 'Ok' to continue.

To check the integrations that are currently running, click 'Show integrations'.

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Before completing the install of Net2, you will be required to choose and implement one of the two certificate options that are offered.

Note: If the certificate is not updated whilst updating to v6.7 SR1, the integration will cease to function.

Option 1: Use Paxton 365-day self-signed certificate

This certificate will only be valid for 365 days. You will be prompted in the Net2 software to renew your certificate 30 days before expiry. You will need to do this process again if Net2 is updated.

1. Click on 'Get certificate'.

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<b>APITLS Certificate Refreshed</b>		
Attention: The API TLS Certificate h	as been refreshed. The current certificate is now invalid.	
Why am I seeing this?		
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Important : Contact your integration provider	to assist with this install.	
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Choose from one of the following two options:		
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This certificate will only be valid for 365 days. You	will be prompted in the Net2 software to renew your certificate 30 days before expiry. You will need to complete this	process again if you update Net2.
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Install Instructions Once save	d on your system, click on the certificate and click "install certificate".	
Need support?		
Please contact our support team		
Support Homepage		
I have implemented one of the two cartificate ont	an about E	OK
I have implemented one of the two certificate opt	ons above.	
The certificate will auto	matically install in the downloads folder.	
	will need to be updated on both your server and any client PC's.	
	X	
	mpted in the rvet2 se Certificate copied to 'Downloads Directory' Fou will need to com Doulbe click to install.	
	OK	
	ate issuer. You will be prompted in the Net2 software to review your certificate 30 days be	



- 3. Navigate to the downloads folder.
- 4. Right click on the certificate and click 'Install certificate'.



- 5. Choose the options that you want within the installer.
- 6. Once the options have been chosen click 'Finish'.

Completin	g the Certificate Import Wizard	
The certificate wi	ll be imported after you dick Finish.	
You have specifie	ed the following settings:	
Certificate Stor Content	e Selected Automatically determined by the wizard Certificate	

- 7. The certificate will install and import wizard will state 'The import was successful'.
- 8. Click'Ok'.



The update is now complete.

# Option 2: Import your own certificate

The expiry date of this certificate will be set by the certificate issuer. You will be prompted in the Net2 software to renew your certificate 30 days before expiry. You will not be required to update this certificate when updating to the next version of Net2.

- 1. Create your own certificate using a TLS certificate provider. As part of the package, you should have a certificate and a key.
- 2. Update to Net2 v6.7 SR1.
- 3. Search and open the Net2 configuration utility.
- 4. Navigate to the 'Security' tab.
- 5. Ensure the local API is enabled.

	Net2 Server Configuration Utility	DB
	General   Database   Wiegand   TCP/IP Nodes   Net2Air Bridges   HTML Reports   Email   SMS Security   Diagnostics   Printer Options	(DB)
	Secure Mode	DB/
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		DB/
(	Enable Local API Enable the local API service. This is used for Net2 Integrations	
		$D \square $
	Launch Local API Config Utility	$D \mathbb{I}$
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	OK Cancel Apply	O K
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6. Click 'Launch API Config Utility'.

General Database Wiegand TCP/IP Nodes Net2Air Bridges HTML Reports Email SMS Security Diagnostics Printer Options Secure Mode Secure Mode will limit communications to the Net2 Server ONLY1 Remote connections from client applications will not be authorised. Net2Online functionality will remain unchanged.
Enable Local API service. This is used for Net2 Integrations Launch Local API Config Utility
OK Cancel Apply

7. The Local API Config Utility will launch.

The Local API status should state 'Running'.

Secure Mode will limit comm Net2Online functionality wi	Net2 Local API Configuration Utility	X all not be authorised.
Enable Local API	Service Controller Service Controller Start Service Stop Service	



As the system has an integration running you will not be required to import a licence. The licence importer tab will show any API licences that are currently being used.

Service Controller       Licence Install         Enable Local API       Licence Install         Enable the LocalAPI Service       Licence File         Import       Import         Activated Licences       Oncontrol         977d089e-9181-415a-9e82-7ba1cd30af7         Integrati Sys       c890d43d-5092-4bf4-accf-e5561594c64b				Running	Secure Mode will limit comr Net2Online functionality wil	
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OK Cancel Apply	Cancel Apply	ОК				
Navigate to 'Cortfacte Importer' tab		37		ar'tab	ertficate Importe	Navigate to 'C

	Net2 Local API Configu	ration Utility			$\times$	
Secure Mode will limit comr Net2Online functionality will	Local API Status					nil not be authorise
	Running					
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Enable Local API	Current Certificate					
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Note: Licence Importer will show the existing licences for any integration that is running on the machine.

9. Click 'Browse' for New Certificate.

	General   Database   Wieg General   Database   Wieg General   Database   Wieg General   Secure Mode Secure Mode will limit con Net2Online functionality w Enable Local API	and   TCP/IP Nodes   Net2Air Bridges   HTN	4L Reports   Email   SMS Security   Diagnos	e authorised.	
	Enable the LocalAPI Serv	nk Net2LocalAPI ort Current Key Net2LocalAPI key New Certificate New Key Fiegenerate Import	Browse Browse t Restore		
			UK		- Da
10. Locate the ce	ertificate and clic	ck 'Open'.	OK Cano	cel Apply	
10. Locate the ce	ertificate and clic elect a .cert file → ↑ → This PC →	ck 'Open'. Documents → API TLS	OK Cano	th API TLS	
10. Locate the co	ertificate and clic elect a .cert file	ck 'Open'. Documents » API TLS	OK Cano	th API TLS	
10. Locate the co	ertificate and clic elect a .cert file elect a .cert file anise  New folder Quick access OneDrive - Personal This PC Network	ck 'Open'. Documents > API TLS Iame	OK     Canc       v     ð       Searc       Date modified     Type       31/07/2023 09:57     Security Cer	h API TLS	
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#### 11. Click 'Browse' for New Key.

Secure Mode will limit comr Net2Online functionality wil	Net2 Local API Configuration Utility      -      X     all not be authorised.     Local API Status      Running
Enable Local API Enable Local API Enable the Local API Servic	Service Controller Licence Install Certificate Import Certificate Import Current Certificate Net/LocalAPI.ort Current Key New Certificate Browse New Key Browse
	Regenerate Import Restore

#### 12. Locate the Key and click 'Open'.

	· mare · bocancia ·	nes ceraneure			U	Scoren res	certificate	~		
Organise 👻 N	ew folder						- 11			
<ul> <li>✓ Puick access</li> <li>Desktop</li> <li>Downloads</li> <li>Documents</li> <li>Pictures</li> <li>Music</li> <li>Videos</li> <li>✓ This PC</li> <li>3D Objects</li> <li>Desktop</li> <li>✓ Documents</li> </ul>	Name IntegriSys.key		Date modified 21/07/2023 13:18	Type KEY File	Size	4 KB				
> Downloads > Music > Pictures	v File name:				~	Key (* key		~ Cancel	27	
							Y	0	<u>a</u>	



#### 13. Now click 'Import'.

	Secure Mode will limit comr Net20nline functionality wil	Net2 Local API Configuration Utility – Local API Status Running		ill not be authorised.	
	Enable Local API	Service Controller Licence Install Certificate Import Current Certificate IntegriSys crt Current Key IntegriSys key New Certificate C:\Users\API TLS\IntegriSys crt New Key C:\Users\API TLS\IntegriSys key Pegenerate Import Impo	Browse Browse Restore		
			ОК	Cancel Apply	
The import will co	mplete.		11/		

Current Key		$\times$	
Net2LocalAPI.ke			
New Certificate	Certificate import complete.		
C:\Users\Leandr			Browse
New Key	ОК		
C:\Users\Leandra			Browse

The current certificate and current key will be updated.

The update is now complete.



Note: If the service status changes to stopped following the import of your certificate and key, check the Ngnix error log located at C:\Program Files (x86)\Paxton Access\Access Control\nginx\logs

Net2 Local API Configuration Utility	-	$\times$
Local API Status		
Stopped		

Option 3: How to access the instructions if the API/TLS pop-up warning has been exited

- 1. Ensure your API connection has been enabled.
- 2. Navigate to https://localhost:8080/setup.html
- 3. Click 'Download' to download 365 self-signed SSL certificate.
- 4. Click 'Install instructions' for a link to the install instructions.